Name Key

Jabberwocky

Nonsense words taken from the poem *Jabberwocky* (from Lewis Carroll's *Through the Looking Glass*)

There are 20 tumtum trees in the tulgey wood. → "TW" → "TT"

In each tulgey wood is one frumious Bandersnatch. → FB

There are 5 slithy toves in 2 borogoves. → ST → B

There are 2 mome raths per Jabberwock. → J

There are 2 Jubjub birds in 200 tumtum trees. → MR

There are 200 mome raths in each borogove.

There are 5 Jubjub birds per slithy tove.

If there are 5 frumious Bandersnatches, how many Jabberwocks should there be?

HINT: What is your "given" info (other than conversion factors)? Use this to start the set up. Show your work.

$$5\ FB \times \left(\frac{1\ TW}{1\ FB}\right) \times \left(\frac{20\ TT}{1\ TW}\right) \times \left(\frac{2\ JJ}{200\ TT}\right) \times \left(\frac{1\ ST}{5\ JJ}\right) \times \left(\frac{1\ BG}{5\ ST}\right) \times \left(\frac{200\ MR}{1\ BG}\right) \times \left(\frac{J}{2\ MR}\right) = 8\ \text{Jabberwocks (J)}$$

After you finish the problem above and check your answer, try this one:

A spaceship from another planet travels at a speed of 4.27 googs per mulm. There are 256 googs in a plotz and 12.3 plotz in a wraslm. If 3.4 tpocks equal one mulm, what is the ship's speed in wraslm per tpock? Show your work.

assume all are sig figs (unless a goog is a creature - then 256 is exact!)

$$\left(\frac{4.27\ goog}{1\ mulm}\right) \times \left(\frac{1\ plotz}{256\ goog}\right) \times \left(\frac{1\ wraslm}{12.3\ plotz}\right) \times \left(\frac{1\ mulm}{3.4\ tpock}\right)$$

$$= 3.988 \times 10^{-4} \rightarrow \frac{4.0 \times 10^{-4}\ wraslm}{tpock}$$

2 SF due to "3.4 tpock/mulm"